Figure 1: CETP Genomic Sequence (SEQ ID No:1)

Genbank M32992

1 tgtctttttc tcatagtcat tgtattttgg cctctttcta tttatggcaa cagagagaga 61 aagettatte etagatatat gtatttaagt aaaaataaat gaatteatgg aaacatatta 121 agcaattatc cagataacat aagggatggc aaaaatggtg cagatggtgg aggggagaca 181 agtagaagtt ggggtgctct tgttgaatgt ctggctctga actctagagg aggccgcagg 241 ggctgggcag gaaggaggtg aatctctggg gccaggaaga ccctgctgcc cggaagagcc 301 tcatgttccg tgggggctgg gcggacatac atatacgggc tccaggctga acggctcggg 361 ccacttacac accactgcct gataaccatg ctggctgcca cagtcctgac cctggccctg 421 ctgggcaatg cccatgcctg ctccaaaggc acctcgcacg aggcaggcat cgtgtgccgc 481 atcaccaage etgeceteet ggtgtgtaag tateagtgea tetgtetgee etgecagggg 541 tettttcatg gacacccact atgccaggag cetecetgge etgaagecag eeetgaagee 601 ggctgccaca ctagcccaga gagaggagtg ccctgggagg gagatgggct gagtggagct 661 gtcatcaccc cctcctgacc tcgccttcaa ggtcaagttc tttggtgaga aggtcctagc 721 tgcattgcaa acagccaggt atagggattt gtgtttgtct gcgacccaga atcactgggg 781 ttcgagttag ggttcagatc tgagccaggt tagggggtta atgtcagggg gtaaagatta 841 ggaggttggt gtatatttgg tgttgggggt cactctatgg ccaaagtcag gggttgccat 901 gageteaggt gaeggagget ceateactga etgtttgtga etttgeeage teeeetggee 961 ctctctgggc ctcagtctct tgctcatata ataagggtat agggaggcta aatgatacaa 1021 tttctaaaat agagtatcgc caagttcaaa agccagaatt atagacccca ggactacaga 1081 cagtgtcaca gcatcgtctg ggtgaggcta gggttagtgt gcggctgggc tcagggctgc 1141 cccatttgct aggategtgg ggtteceatg tgteaggate cagaggetag ggtatgatea 1201 ggatctctag ctggggtcag ggtcagagct ctctgtgtcc cctagaattg ccatcaacct 1261 taaacccaga ggaggcccag tccaacccct cagctttaag acctgggagc ctcatctcag 1321 agaggctgag tcatggccaa ggcagttggg gtgggagcag ggggcttggt gtgggcctgc 1381 agccctcate cactgecete cetetagtga accacgagae tgccaaggtg atccagaceg
1441 cettecageg agccagetae ceagatatea egggegagaa ggccatgatg etcettggee
1501 aagtcaagta tgggttgeae aagtgagteg ggcctegggt gtgacetgge tgggggtagg
1561 gtggegggag gaacageetg ggetteeeee agccacaggg aggaaaggea geagetgggg

1621 gactcaggtc teteceettg atttggaacc agagec

Figure 2: CETP Genomic Sequence (SEQ ID No:2)
Genbank M32993

1 ctctttttta aagataggca tttctagata taaatctccc tgtgagcacg gttccctcca 61 tetteageae accagggttg acteteteeg ggegttette eetggteace teteceette 121 etetectett etgeeteete tteeaetttt eggtaeeetg tgattgattg ggaeeaecea 181 gataacctag gatcatctcc ccacctaccc caaggtcctt aacttaacca tacttcatat 241 gggtaacacg agttgagtgt ggtacccagg tttgacatgt tgggtaacat atttgcaggt 301 tetgtggatt aggaggacat tttgggggee atgattetat ettecaecet egeetagaca 361 aaattggagg ctcactcctt gggctccctg gatgaccccc aacatccttc ctcacttcca 421 tteetteeca geatecagat cagecacttg teeategeea geagecaggt ggagetggtg 481 gaagecaagt ceattgatgt etceatteag aaegtgtetg tggtetteaa ggggaeeetg 541 aagtatgget acaccactge etggtggtaa geatteetgt eagetgatge eccatgeeet 601 ggccctctct gggtggaggg ctgaatgagg tctgggtcct tggctctttc caggctgggt 661 attgatcagt ccattgactt cgagatcgac tctgccattg acctccagat caacacacag 721 ctgagtatgt gtcaagcgtc ctctggggaa gtgggagctg gactccaggg cttggctcag 781 cagaggggga ggttgtgcag gcagagggtt ctggggccac caaaggaggc agcctgggaa 841 gtttgcaggg ttggggaccc cagagctggc caagctcttg actggcctgg gcagcatgtg 901 gataccatct gatagcggag gctgccctga ggtcatgtcg ggtctccctg cagcctgtga 961 ctctggtaga gtgcggaccg atgcccctga ctgctacctg tctttccata agctgctcct 1021 gcatetecaa ggggagegag agtaagtaca ecaceetgtg eccecattee tgtegtgeee 1081 atcctgttag tgtgtccacg gcccctcca ggctcaaccc cacacaggga tgcttgtggg 1141 tggccaaacc tgagggcagc aatacettca gtggggtcat tecatecece tecateaata 1201 caccetaaag getggaaaca acaataacca acagetagta actaacaget attaagaact 1261 totgttggca aagcactatt ccaagccctt toatgaatta attgattttg toottaaaac 1321 caaccctagg atatagattc tgttatcatc ccctttttac atatgggtaa actgagtcac

1381 agacaggtta gaaaggaaaa geteatatet aeggagtega teetgeatte caageaceae 1441 actaactcag agataaaact ctagccaagc taagtaactt gctgaggaca cacaactcgc 1501 cactaaggga tgggagtagg acccatttga acccagactt ctctgacccc agaagctgag 1561 ttcctagata ctttactctc ctgcttccca gggtggggct ttttgtcttg gccaacaccc 1621 tctgtcaagg agctgtggta accccattgc acagaggaag ataacaaggt ttggagagtc 1681 cctagtcatg ttaccaatgc caaacctgga aggcagaagg gaactggtgg gtggggtctg 1741 gagaggagcc ctctattcag gccatttttt ctgactctgg agcaagacgg atacatgtat 1801 gaatttggac tctagacacg ttctcgtgtg tgtgacaggt gtgagcgtca caggagctgg 1861 gccctcccga ggaattctgg atggtgccac agttaattct tgggtctgag gctccgtgtt 1921 ctcactgcaa aatgggagtg ataattetta etteetgage tacaagagte agggecaaca 1981 gagccatgaa ggagcctggt acacactagg cgctccatgg atgcacagga ctggtcaggg 2041 geteattgtg gtgettgetg cetteaggee tgggtggate aageagetgt teacaaattt 2101 catctccttc accctgaage tggtcctgaa gggacaggtg agtgaggetg getgactccc 2161 tgtggtccag gccatgccca ggaggctgga tccctttcct ccctgccttt ccctgagaag 2221 gtgccactcc caccttctcc atgtggccag tcccctgtgc cggtccccag cactgccacc 2281 accacgcage tggaaggagg cactccgtct ggcctccttt cctgcctgga aagcacctgc 2341 tetgtetgee ecagatetge aaagagatea aegteatete taacateatg geegattttg 2401 tccagacaag ggctggtgag tgcgtttctg tctgcatgcc tcagaagaca gcagtgggag 2461 ccagaaagcc acctgctgca ctatgtggcc ttgggactgt cactettect gtctaggtcc 2521 catgggetet atetggetet gacaettgat gattagttat gageataett tggeaaaget 2581 etgeceettt ggtgeggete acaagetgtg tggegaaggg ettgtetata gaacteagga 2641 caaatgggtg attaagtcca agaggcatcc aagattctcc tggaagtaga ttaggaaaaa 2701 agataattag attgeteaca tggetgggea eteateeatg taetgtaete teetatgeag 2761 tacagagcag agctgggttt cagcccaagt cttggactct gctctgaacc aaccttctag 2821 aagggeteta eetaeeeaga eagaeagaet tgggaaaaga gagaatgaaa aagtgeeaca 2881 cccctccccg cacacccagg teccacttta cagaggggaa cactgagget ggagggttgg
2941 gtagetgtgt ggatgcaggg gacggtgact cagggcaatt cccccatece tgaggecetg
3001 cgttgatett ttectectge agecageate ettteagatg gagacattgg ggtggacatt
3061 tecetgacag gtgatecegt cateacagee tectacetgg agteceatea caaggtagga
3121 gttgtgggag ggtgggcagg geccagette eccaggggag ttggteettt tttgtgetet
3181 gacaacceca teccecaget teaacettat ggcagecaag agteetgggg ageteeteet
3241 catteetgat geteeteege atteetgatg etgegaggag ggcaggecae agegaegtge
3301 ecctgaccee tetetgeagg caecaggget geccactaca aggateecag caaagcacca
3361 geteetteet agagggetta tteggettet gteateetet acageagtgg attgtggece
3421 eccecagggg gtactgacaa aagett

Figure 3: CETP Genomic Sequence (SEQ ID No:3)

Genbank No: M32997

1 acatggtgca catgcctgta gtcctagcta cttggtggct gaggtagaca atcgcttgaa 61 cctgggacgt ggaggttgca gtgagctgag atcgtgccac tgccctccag cctgggcaac 181 ggtcctaacc ccaaagccac aggtgctggg gaactttcct cggttttcag aagagcagta 241 gctaagcctg gttcccgtgt catcettgcc tctccagtcc ctcagtggaa agaatcaggg 301 gccctgagct aggagggttg ctctctgctt cgggaagagc cctggctcac agcaaatttg 361 gtttctctcc ccaggatatc gtgactaccg tccaggcctc ctattctaag aaaaagctct 421 tettaageet ettggattte eagtatgtge tgeagagaag agaaggggge ggteaactee 481 gcaaacctct ccctggcccc ttggagtcag gcacagggcg gggtgttggt ggggaaatgt 541 ggcccctttc ttctggggca tatgggctga ctgcagggaa gataagaccc tgcctagata 601 gaatettegt ggggaagaag gggeteeagg aagaatggag ggetgeeagg aagaaggeet 661 gagetatgag acaaaageae tggetgetat tettagagtt tettteecag gggatgttae 721 aggagggggc ccaatggagg gtcaaattat catcgctttt ttatttcagg attacaccaa 781 agactgtttc caacttgact gaggtaggta gtcttggata gactgggggga aataagtcct 841 gtgggacctc ctgccttaaa gaaagcaggc ggagggccct aaaggaaatc aggcaaccag 901 accaaaagaa tgtgaccagg tggtccatgc tgtgtctctt gtgacccttc ttctccctgc 961 catgtctttt gggagagccc ttgtgttgca aaaatgagag tgtggtggta tggattgggg 1021 tttaggcaga acagtactgg ccaagcagcg ctccctggac ctcaattttc cctctgtgga 1081 atgggctage aatectggge etceecaggg egaaggaaag accaetcagg aagggcaceg 1141 tctggggcag gaaaacggag tgggttggat gtatttttt cacggatggg catgaggatg 1201 aatgettgte eaggeegtge ageatetgee ttgtgggtea ettetgtget eeagggagga 1261 ctcaccatgg gcatttgatt gcagagcagc tccgagtccg tccagagctt cctgcagtca 1321 atgatcaccg ctgtgggcat ccctgaggtc atgtctcgta agtgtgggct ggaggggaaa

1381 ctgggtgccg aggctgacag agcttcccat ttcacctttt

Figure 4. CETP Genomic Sequence (SEQ ID No:4)

Genbank No: M32998

1 ggatgggttg ggagctcaag ttttggggca gaagggaatt ttttttggca gcagagtgca
61 agccctgccg ccaggcaaac tetgetette etcatectea gaagcaettg etcactetge
121 taaatcaaag tgaaacgcat gtttacagaa tattggtcca aaagggtete agcatetece
181 actacccagg gtgcagagce tegggcegge ettgetecee aagaaggget gactgggget
241 etgteceete geccaggget egaggtagtg tttacageee teatgaacag caaaggegtg
301 agcetetteg acateateaa ecetgagatt atcactegag atgtgagtae aaageeeeee
361 teaccageee etgtteetgg ggagagagge ecagacagga tteetggggt gactggggge
421 tgttggggag acagacagag gggeetetae eagettgget eceteetggt ggeetgggag
481 teageecage tegeeeetet eteetactge eceteeette agggetteet getgetgeag
541 atggaetttg getteeetga geacetgetg gtggatttee tecagagett gagetagaag
601 tetecaagga ggtegggatg gggettgtag cagaaggcaa geaceagget eacagetgga
661 accetggtgt eteeteeage gtggtggaag ttgggttagg agtacggaga tggagattgg
721 eteecaacte eteeetatee taaaggeeea etggeattaa agtgetgtat ecaagagetg
781 eggagteett ettetgtgge tggegggtag agggggggg aagggattgt eteaceagtg
841 eegteeacet ettteagee etteeaagea getgeeeeca aaceeteeaa gett

Figure 5: CETP Alleles

Intron 1 (707):

Allele 1: GTTCTTTGGT G AGAAGGTCCT (SEQ. ID. No:5)

Allele 2: GTTCTTTGGT A AGAAGGTCCT (SEQ. ID. No:6)

Intron 8 (3707):

Allele 1: TGGCCTGAAC C TGATCGCGGACC (SEQ. ID. No:7)

Allele 2: TGGCCTGAAC T TGATCGCGGACC (SEQ. ID. No:8)

Intron 8 (3946):

Allele 1: GATGATCTAG A GGGGCGGGGG (SEQ. ID. No:9)

Allele 2: GATGATCTAG T GGGGCGGGGG (SEQ. ID. No:10)

Promoter (VNTR):

GAAA and GAA repeats between -2144 and -1974 from translational start site. Alleles are defined by variation in size.

Insertion (307):

Allele 1: GAATGGAGGG AGGGCCTGGC (SEQ. ID. No:11)

Allele 2: GAATGGAGGG CTGCCAGGAAGAAGG AGGGCCTGGC (SEQ. ID. No:12)

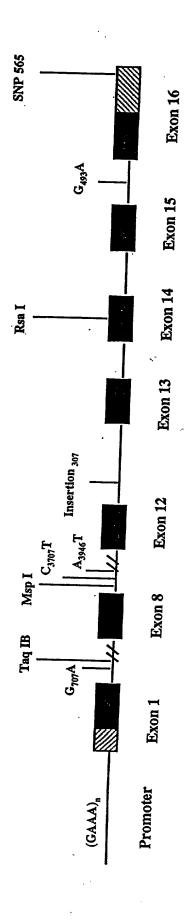
Intron 15 (493):

Allele 1: AGCCCAGCTC G CCCCTCTCTC (SEQ. ID. No:13)

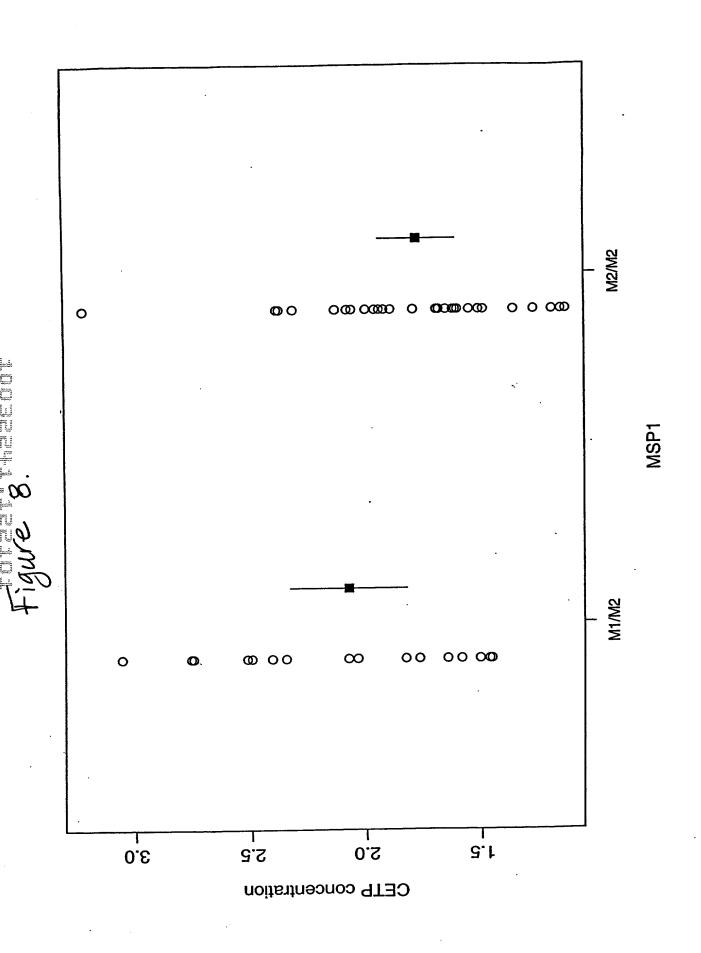
Allele 2: AGCCCAGCTC A CCCCTCTCTC (SEQ. ID. No:14)

Figure 6.

CETP Polymorphisms



and the last the state of the s



number of 2212 haplotypes